



CP-WST Practical Solution Mock Examination 1



This Document is providing a solution to the Qn_1 of [CP-WST Mock Exam 1](#).

Qn_1) Use Karate web services test automation tool and validate the following web services request

a.URL - <https://reqres.in/api/users?page=2>

Request Type – GET

Response = 200

b.URL - <https://reqres.in/api/login>

Request Type – Post

Request Body - "email": "peter@klaven",
"password": "cityslicka"

Response – 200

c.URL - <https://reqres.in/api/users/3>

Request Type – Put

Request body – name and job

Response – 200

d.URL - <https://reqres.in/api/users/3>

Request Type – DELETE

Response – 204

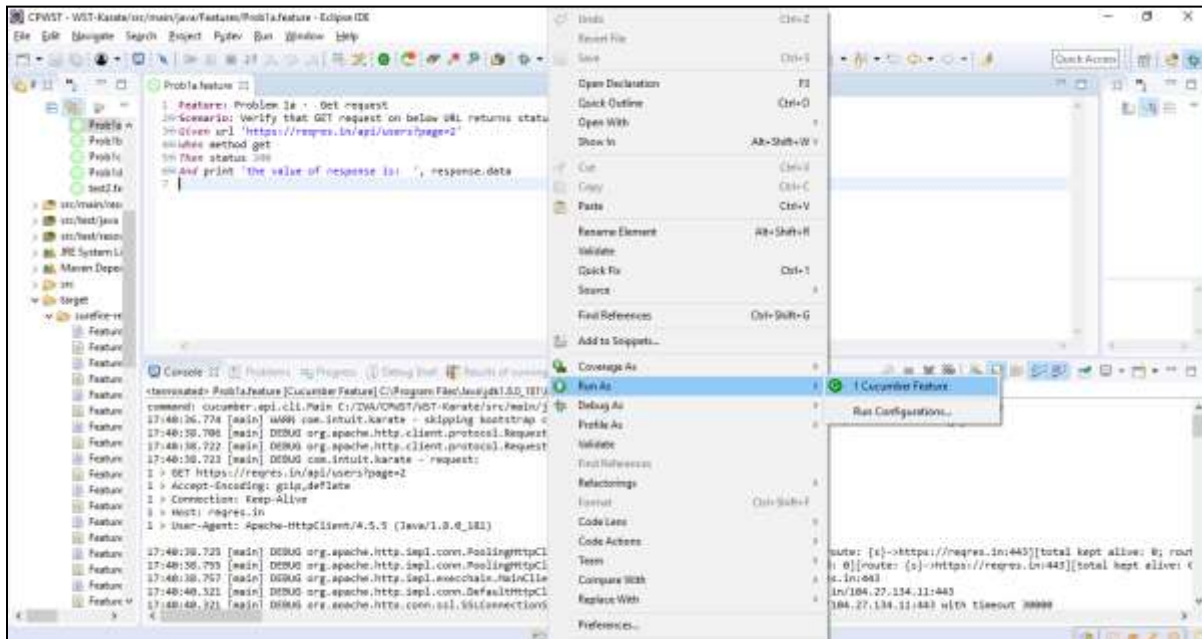
Validate response with time stamp

Soln 1a)

Step 1: Create Prob_1a.feature file in Eclipse and would be something like

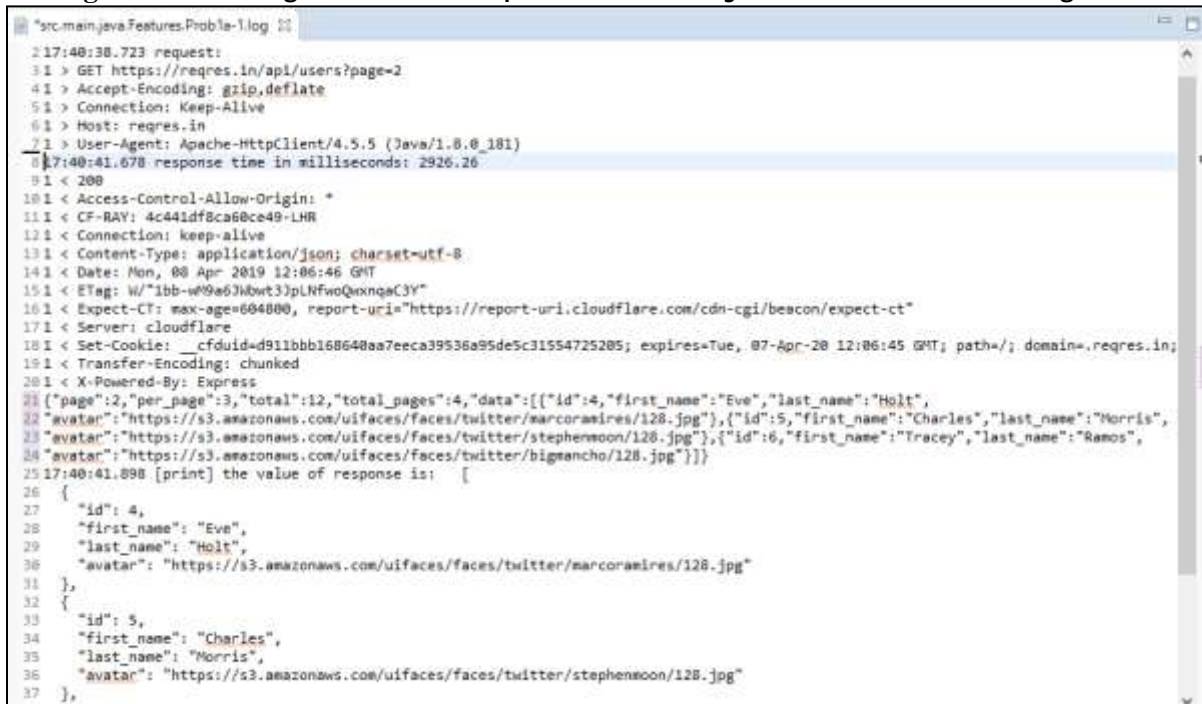
```
Prob1a.feature ✖
1 Feature: Problem 1a - Get request
2 Scenario: Verify that GET request on below URL returns status code of 200
3 Given url 'https://reqres.in/api/users?page=2'
4 When method get
5 Then status 200
6 And print 'the value of response is: ', response.data
7 |
```

Step 2: Right click on feature file and Run As -> Cucumber Feature



Step 3:

The log file is at `./target/surefire-reports/src.main.java.Features.Prob1a.log`



Step 4: The HTML report file is at

`./target/surefire-reports/src.main.java.Features.Prob1a.html`

Test Report is as follows


```

1 < Server: cloudflare
1 < Set-Cookie: __cfduid=dca5cb1e209032c62d147fef45855286c1554791652; expires=Wed,
08-Apr-20 06:34:12 GMT; path=/; domain=.reqres.in; HttpOnly
1 < X-Powered-By: Express
{"token": "QpwL5tke4Pnpja7X"}

```

```

12:08:10.038 [print] The Response is = {
  "token": "QpwL5tke4Pnpja7X"
}

```

Step 4: The HTML report file is at
./target/surefire-reports/src.main.java.Features.Prob1b.html
Test Report is as follows

Test ID	Test Name	Duration
Test 1	Given url 'https://reqres.in/api/login'	0.003818
Test 2	And request {name: 'Anand', Job: 'WST'}	0.006306
Test 3	When method post	1.667882
Test 4	Then status 200	0.001010
Test 5	And match response When: 'The Response is = { 'token': 'QpwL5tke4Pnpja7X'}	0.007441

Soln 1c)

Step 1: Create Prob_1c.feature file in Eclipse and would be something like

```

Prob1c.feature
1 Feature: Prob1c - Put request for URL - https://reqres.in/api/users/3
2 Scenario: Verify for the proper status code and response
3 Given url 'https://reqres.in/api/users/3'
4 And request {name: 'Anand', Job: 'WST'}
5 When method Put
6 Then status 200
7 And print 'the value of response is:', response

```

Step 2:
Right click on feature file and Run As -> Cucumber Feature

Step 3:
The log file is at ./target/surefire-reports/src.main.java.Features.Prob1c.log

```

1 15:38:15.632 skipping bootstrap configuration: could not find or read file: classpath:karate-config.js
2 15:38:16.812 request:
3 1 > PUT https://reqres.in/api/users/3
4 1 > Accept-Encoding: gzip,deflate
5 1 > Connection: Keep-Alive
6 1 > Content-Length: 28
7 1 > Content-Type: application/json; charset=UTF-8
8 1 > Host: reqres.in
9 1 > User-Agent: Apache-HttpClient/4.5.5 (Java/1.8.0_181)
10 {"name":"Anand","Job":"WST"}
11
12 15:38:19.113 response time in milliseconds: 2297.81
13 1 < 200
14 1 < Access-Control-Allow-Origin: *
15 1 < CF-RAY: 4c4ba8095a7ace45-LHR
16 1 < Connection: keep-alive
17 1 < Content-Type: application/json; charset=utf-8
18 1 < Date: Tue, 09 Apr 2019 10:04:21 GMT
19 1 < ETag: W/"43-CEJTLZ9+238WhYL82x+707b5M+o"
20 1 < Expect-CT: max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct"
21 1 < Server: cloudflare
22 1 < Set-Cookie: __cfduid=d394737e9f6646765d0564d79f2777c721554804261; expires=Wed, 08-Apr-20 10:04:21 GMT;
23 1 < Transfer-Encoding: chunked
24 1 < X-Powered-By: Express
25 {"name":"Anand","Job":"WST","updatedAt":"2019-04-09T10:09:09.947Z"}
26
27 15:38:19.123 [print] the value of response is: {
28   "name": "Anand",
29   "Job": "WST",
30   "updatedAt": "2019-04-09T10:09:09.947Z"
31 }
32

```

Step 4: The HTML report file is at
./target/surefire-reports/src.main.java.Features.Prob1b.html
Test Report is as follows

The screenshot shows a Cucumber test report. On the left is a 'Test Suite Navigation' sidebar with a progress indicator showing 55 passed tests (100%) and 0 failed or skipped tests. The main area displays a table of test results:

Scenario	Duration
Test 1 - Given url 'https://reqres.in/api/users/3'	0.004849
Test 2 - And request (name: 'Anand', job: 'WST')	0.064477
Test 3 - When method Put	3.309428
Test 4 - Then status 200	0.000019
Test 5 - And print 'the value of response is', response	0.009234

Below the table, the details for 'Test 3 - When method Put' are expanded, showing the request and response logs, which are identical to the logs shown in the first screenshot.

Soln 1d)

Step 1: Create Prob_1d.feature file in Eclipse and would be something like

```

1 Feature: 1d - Delete Request for URL - https://reqres.in/ api/users/3
2 Scenario: Verify that the appropriate response is 204
3 Given url 'https://reqres.in/api/users/3'
4 When method Delete
5 Then status 204
6 And match response.token == '#string'
7 And print 'The Response is $$ ', response

```

Step 2:
Right click on feature file and Run As -> Cucumber Feature

Step 3:

The log file is at `./target/surefire-reports/src.main.java.Features.Prob1d.log`

```
Prob1d.feature  *src.main.java.Features.Prob1d-1.log  src.main.java.Features.Prob1d
1 15:46:48.248 skipping bootstrap configuration: could not find or read file: classpath:karate-config.js
2 15:46:49.382 request:
3 1 > DELETE https://reqres.in/api/users/3
4 1 > Accept-Encoding: gzip,deflate
5 1 > Connection: Keep-Alive
6 1 > Host: reqres.in
7 1 > User-Agent: Apache-HttpClient/4.5.5 (Java/1.8.0_181)
8
9 15:46:53.078 response time in milliseconds: 3694.59
10 1 < 204
11 1 < Access-Control-Allow-Origin: *
12 1 < CF-RAY: 4c4bb494ed6ece55-LHR
13 1 < Connection: keep-alive
14 1 < Date: Tue, 09 Apr 2019 10:12:55 GMT
15 1 < ETag: W/"2-vyGp6PvFo4RvsFtPoIWeCReyIC8"
16 1 < Expect-CT: max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct"
17 1 < Server: cloudflare
18 1 < Set-Cookie: __cfduid=d9e9fec9cbc655723cd7b9ca4a09bf8661554804775;
19 expires=Wed, 08-Apr-20 10:12:55 GMT; path=/; domain=reqres.in; HttpOnly
20 1 < X-Powered-By: Express
21
22 15:46:53.092 [print] The Response is $$
23
```

Step 4: The HTML report file is at

`./target/surefire-reports/src.main.java.Features.Prob1d.html`

Test Report is as follows

The screenshot displays a Karate Test Suite report. On the left, there is a 'Test Suite Navigation' sidebar with a karate icon and statistics: 0/5 failed tests (0.00%), 0/5 skipped tests (0.00%), and 5/5 passed tests (100.00%). The main area shows a table of test results for the scenario 'Verify that the appropriate response is 204'. The table lists five tests, all of which passed. The first test, 'Given url https://reqres.in/api/users/3', has a duration of 0.004988. The second test, 'When method Delete', has a duration of 4.805503. The third test, 'Then status 204', has a duration of 0.005622. The fourth test, 'And match response `When` `When`', has a duration of 0.004441. The fifth test, 'And print `The Response is \$\$`, response', has a duration of 0.006333. The report also includes a detailed log of the HTTP request and response for the 'Delete' test, showing headers like 'Accept-Encoding: gzip,deflate', 'Connection: Keep-Alive', 'Host: reqres.in', 'User-Agent: Apache-HttpClient/4.5.5 (Java/1.8.0_181)', and response headers like 'Access-Control-Allow-Origin: *', 'CF-RAY: 4c4bb494ed6ece55-LHR', 'Connection: keep-alive', 'Date: Tue, 09 Apr 2019 10:12:55 GMT', 'ETag: W/"2-vyGp6PvFo4RvsFtPoIWeCReyIC8"', 'Expect-CT: max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct"', 'Server: cloudflare', and 'Set-Cookie: __cfduid=d9e9fec9cbc655723cd7b9ca4a09bf8661554804775; expires=Wed, 08-Apr-20 10:12:55 GMT; path=/; domain=reqres.in; HttpOnly'. The response body is 'X-Powered-By: Express'.